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MONTANA OIL AND GAS STATISTICAL BULLETIN

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OIL AND GAS CONSERVATION COMMISSION
SAVINGS BLDG.
HELENA, MONTANA

Vol. XI, No. 10 McKEE PRINT. OCTOBER, 1963

Production of crude oil and condensate from the oil and gas areas of Montana for the Month of October, 1963, averaged 84,090 barrels daily, a decrease of 704 barrels from the average September production of 84,794.

The eight refineries in State processed 71,148 barrels of crude oil daily for the month of October, 1963, a decrease of 9,466 barrels from the 80,614 barrels processed daily during the month of September, 1963.

During October, 34 wells were completed, 11 oil, 2 gas wells and 21 dry holes.

During October, the commission issued 48 permits to drill new wells, an increase of 10 from the 38 permits issued during September.

SUMMARY OF CRUDE OIL PRODUCTION REFINING, STORAGE, ETC., IN MONTANA
MONTH OF OCTOBER, 1963

IN STORAGE OCTOBER 1st:	
By Producers	348,051
By Transporters	888,150
By Refiners	385,329
TOTAL STORAGE	1,621,530
Produced in Montana During Month	2,606,811
Imported During Month	1,019,889
TOTALS	5,243,230
DISPOSITION:	
Refined in Montana	2,205,611
Exported	1,217,184
Used for Fuel or Lost	7,918
TOTAL	3,430,713
IN STORAGE OCTOBER 31st:	
By Producers	341,635
By Transporters	931,630
By Refiners	544,252
TOTAL STORAGE	1,817,517

NATURAL GAS WITHDRAWALS IN MONTANA
Month of October, 1963

Field	M Cu. Ft.
Bears Den	0
Big Coulee	65,359
Bowdoin	97,598
Bowes	79,166
Cabin Creek	103,486
Cedar Creek	183,106
Cut Bank (including Reagan)	568,596
Devon	0
Dry Creek	141,464
Elk Basin	45,062
Flat Coulee	3,408
Gold Butte	0
Golden Dome	18,729
Grandview	0
Hardin	5,182
Keith Block	235,970
Kevin Sunburst	48,791
Middle Butte	29,792
Pine	58,274
Plevna	18,585
Utopia	0
Whitlash	176,384
Miscellaneous	17,454
TOTAL	1,896,406

Total Withdrawals for October, 1962 were 2,095,397 M Cu. Ft.

PRODUCERS REPORT—MONTH OF OCTOBER, 1963

Leases	Field	No. of Wells	Storage 1st of Month	Oil Produced	Oil Shipped By Pipeline	Oil Shipped By Truck	Used or Lost	Storage End of Month
1	Ash Creek	4	763	2,222	.....	2,010	.....	975
5	Bannatyne	9	1,032	966	.....	950	.....	1,048
1	Bascom	1	179	364	406	.....	.....	137
5	Bear's Den	6	1,453	2,763	.....	2,864	.....	1,352
1	Belfry	1	204	413	.....	396	.....	221
1	Benrud	1	682	1,380	1,491	.....	.....	571
1	Benrud East	1	772	15,690	15,663	.....	.....	799
9	Big Wall	29	2,447	21,831	22,059	.....	.....	2,219
10	Blackfoot	15	2,305	8,398	4,630	3,365	.....	2,708
1	Border	1	137	116	.....	.....	.....	253
1	Bowes	72	3,105	14,435	13,928	.....	.....	3,612
1	Brady	4	.....	400	400	.....	.....	.....
2	Bredette North	2	530	356	.....	.....	.....	886
9	Cabin Creek	113	8,526	278,204	272,741	.....	.....	13,989
14	Cat Creek	92	4,025	22,633	23,990	.....	.....	2,668
1	Clark's Fork	1	202	113	.....	132	.....	183
1	Clark's Fork North	1	1,993	450	.....	450	.....	1,993
2	Conrad South	2	315	687	628	.....	.....	374
1	Cupton	1	1,128	1,021	.....	732	.....	1,417
145	Cut Bank	1,120	126,290	154,383	161,081	.....	492	119,100
3	Deer Creek	6	3,041	11,239	12,320	.....	.....	1,960
2	Delphia	2	450	1,178	.....	1,193	6	429
1	Devil's Basin	1	1,194	338	338	.....	.....	1,194
4	Dry Creek	4	547	584	262	.....	.....	869
18	Dwyer	19	7,718	50,226	49,013	.....	1,025	7,906
9	Elk Basin	58	3,188	278,297	277,464	.....	142	3,879
1	Fertile Prairie	1	418	1,556	1,491	.....	.....	483
4	Flat Coulee	22	3,688	37,424	.....	37,289	.....	3,823
2	Frannie	2	.....	1,754	1,754	.....	.....	.....
3	Fred & George Creek	3	.....	20,074	19,880	.....	.....	194
1	Gage	1	398	368	263	.....	.....	503
4	Gas City	27	7,588	69,993	71,864	2,324	.....	3,393
6	Glendive	11	1,211	37,819	28,138	9,609	.....	1,283
4	Goose Lake	5	2,256	16,715	.....	16,550	.....	2,421
7	Graben Coulee	16	4,537	7,811	7,980	.....	4	4,364
4	Gypsy Basin	4	1,176	1,332	1,000	.....	2	1,506
1	Hibbard	1	133	1,096	.....	984	.....	245
9	Ivanhoe	17	2,670	32,525	32,215	.....	56	2,924
7	Keg Coulee	15	5,030	23,792	24,700	.....	.....	4,122
167	Kevin Sunburst	898	14,616	51,670	51,808	.....	.....	14,478
2	Little Beaver	24	3,715	30,835	30,153	652	.....	3,745
4	Little Beaver East	20	3,612	24,393	25,464	.....	.....	2,541
3	Lone Tree	3	2,077	5,994	.....	6,927	.....	1,144
24	Lookout Butte	67	4,619	179,279	175,064	3,748	.....	5,086
....	MacKay Dome	....	770	.....	.....	.....	.....	770
2	Melstone	4	1,252	3,954	4,174	.....	.....	1,032
6	Monarch	16	3,007	19,723	19,705	.....	.....	3,025
4	Mosser	4	.....	802	.....	802	.....	.....
....	Musselshell	....	350	.....	.....	.....	.....	350
7	Outlook	11	4,930	33,385	33,157	.....	.....	5,158
3	Outlook South	3	1,707	2,239	2,899	.....	.....	1,047
53	Pennel	89	6,404	216,889	217,828	.....	.....	5,465
4	Pine	134	13,162	344,528	348,711	388	.....	8,591
75	Pondera	331	8,773	35,913	36,418	.....	109	8,159
3	Pondera Coulee	3	.....	466	466	.....	.....	.....
5	Poplar East	82	11,780	126,230	121,684	.....	19	16,307
4	Poplar, Northwest	5	950	2,023	1,334	.....	.....	1,639
6	Ragged Point	18	2,191	10,046	8,795	.....	.....	3,442
3	Reagan	49	2,704	19,920	19,852	.....	.....	2,772
9	Red Creek	23	3,631	47,113	45,119	2,013	.....	3,612
1	Redstone	1	132	983	692	.....	.....	423
1	Repeat	1	238	1,528	.....	1,576	.....	190
5	Richey	9	2,436	5,518	4,094	.....	.....	3,860
6	Richey Southwest	7	2,871	21,156	.....	21,312	.....	2,715
4	Sand Creek	5	5,188	7,944	8,314	.....	.....	4,818
7	Sidney-Brorson	7	3,312	5,987	.....	5,580	.....	3,719
2	Snyder	4	2,127	418	.....	721	.....	1,824
6	Soap Creek	10	4,483	4,198	.....	5,262	.....	3,419
3	Spring Lake	3	2,349	18,395	.....	18,829	.....	1,915
2	Stensvad	24	5,307	43,464	41,045	.....	.....	7,726
30	Sumatra	97	11,992	124,269	124,538	.....	.....	11,723
6	Tule Creek	8	2,822	60,063	60,312	.....	.....	2,573
1	Vida	1	611	2,761	.....	1,715	985	672
12	Whitlash	31	6,651	9,489	1,999	7,386	.....	6,755
1	Whitlash West	1	370	400	.....	250	.....	520
9	Wolf Springs	17	4,456	13,845	14,646	.....	.....	3,655
4	Woodrow	6	852	7,792	8,197	.....	.....	447
1	Wildcat, Roosevelt Cty	1	273	2,253	.....	2,002	209	315
787		3,708	348,051	2,606,811	2,452,167	158,011	3,049	341,635

Total Oil Produced and Shipped From Leases	Bbls. Produced	Daily Average	Bbls. Shipped	Daily Average
Year, 1962	31,647,507	86,705	31,739,123	86,956
First Quarter, 1963	7,700,475	86,522	7,645,115	85,900
Second Quarter, 1963	7,698,583	84,600	7,718,750	84,821
Third Quarter, 1963	7,777,639	84,539	7,792,867	84,705
October, 1963	2,606,811	84,090	2,610,178	84,199

Oil In Storage	In Producers Field Tank	In Transporters Storage	In Refiners Storage*	Total Oil In Storage*
December, 1962	350,355	917,246	595,843	1,863,444
March, 1963	391,644	915,187	407,232	1,714,063
June, 1963	367,601	901,594	396,726	1,665,921
September, 1963	348,051	888,150	385,329	1,621,530
October, 1963	341,635	931,630	544,252	1,817,517

*Includes Wyoming Oil.

TRANSPORTER'S REPORT—OCTOBER, 1963

	Storage First of Month	OIL RECEIVED BY			Loss or (Gain)	OIL SHIPPED TO			Storage End of Month
		Pipeline	Truck	Connecting Carrier		Montana	Other States	Connecting Carrier	
ASH CREEK—Truck			2,010				2,010		
BANNATYNE—Truck			950					950	
BEAR'S DEN—Truck			2,864					2,864	
BELFRY—Truck			396				396		
BIG WALL—Glacier Pipeline Co		21,517				21,517			
BLACKFOOT—Union Oil Co		4,630						4,630	
Truck			3,365					3,365	
		4,630	3,365					7,995	
BOWES—Texaco, Inc		13,928				13,928			
CABIN CREEK & OTHERS*									
Butte Pipeline Co	288,345	928,504	42,056	550,306			1,518,675		290,536
Shell Pipeline Corp	6,775	243,722		332	3,574			240,912	6,343
	295,120	1,172,226	42,056	550,638	3,574		1,518,675	240,912	296,879
CAT CREEK									
Glacier Pipeline Co		22,166				22,166			
CLARK'S FORK—Truck			582				582		
CUT BANK									
Darling Gathering System, Inc	8,625	6,798						10,679	4,744
Glacier Pipeline Co				67,850				67,850	
Phillips Petroleum Co	33,999	49,750		56,317	802	35,510		85,645	18,109
Texas Pipeline Co	26,198	25,560		44,546	102			75,101	21,101
Teton Pipeline Corp	42,065	35,246		113,131	341			97,576	92,525
Union Oil Co	66,807	69,826		37,545	(3,237)	107,683			69,732
	177,694	187,180		319,389	(1,992)	143,193		336,851	206,211
DELPHIA—Truck			1,193			1,193			
DRY CREEK—									
Marathon Pipeline Co	9,476	262			(159)			2,882	7,015
DWYER—Hunt Petroleum Corp		49,013					49,013		
ELK BASIN—Marathon Pipeline Co		277,378				277,378			
FLAT COULEE—Truck			37,289					37,289	
FRANNIE—Marathon Pipeline Co		1,754					1,754		
GAGE—Glacier Pipeline Co		263				263			
GLENDIVE, DEER CREEK, WOODROW & SAND CREEK—									
Texas Pipeline Co	3,773	67,324			(850)			64,472	7,475
GOOSE LAKE—Truck			16,550				16,550		
HIBBARD—Truck			984			984			
IVANHOE—Glacier Pipeline Co		32,489				32,489			
KEG COULEE—									
Glacier Pipeline Co		24,655				24,655			
KEVIN SUNBURST—									
Big West Oil Co	6,082	67,893		37,289		107,155			4,109
Homestake Oil & Gas Co	5,478	2,160		10,679		14,940			3,377
Texas Pipeline Co	5,801	19,870			119			14,415	11,137
	17,361	89,923		47,968	119	122,095		14,415	18,623
LONE TREE—Truck			6,927				6,927		
MELSTONE—									
Glacier Pipeline Co		4,175				4,175			
MOSSER—Truck			802				802		
PONDERA—Phillips Petr. Co	14,235	37,810		85,645	1,050	106,527			30,113
POPLAR, BENRUD, BREDETTE, OUTLOOK, OUTLOOK SOUTH, REDSTONE, RICHEY & TULE CREEK									
East Poplar Gathering System	14,529	242,517			(241)			227,129†	30,158
RAGGED POINT—									
Glacier Pipeline Co		8,704				1,821	6,883		
RED CREEK—Teton Pipeline Co		52,560			526			52,034	
Mountain Crude			2,013	6,347				8,360	
		52,560	2,013	6,347	526			60,394	
SIDNEY-BRORSON									
McWood Corp	6,001		5,580	1,884			2,255	4,669	6,541
SNYDER—McWood Corp			721			721			
SOAP CREEK—McWood Corp	6,980		5,262			7,105			5,137
SPRING LAKE—Truck			18,829				18,829		
SUMATRA AND STENSVAD—									
Glacier Pipeline Co	342,981	167,356		363,094	1,281	403,260		145,412	323,478
WHITLASH—Truck			7,636			7,636			
WOLF SPRINGS—									
Glacier Pipeline Co		14,643				14,643			
WILDCAT WELLS—									
Roosevelt County			2,002				2,002		
TOTALS	888,150	2,492,473	158,011	1,374,965	3,308	1,205,749	1,626,678	1,146,234	931,630

*Cabin Creek, Cupton, Fertile Prairie, Gas City, Little Beaver, Little Beaver East, Lookout Butte, Monarch, Pennel, Pine, Repeat and Richey.

†Transferred to Butte Pipeline Company.

Montana School of Mines
Attn: Mrs. Peck, Librarian
Butte, Montana

BARRELS OF CRUDE OIL REFINED IN MONTANA

MONTH OF OCTOBER, 1963

Field	Big West Oil Co.	Continental Oil Co.	Diamond Asphalt Co.	Farmers Union	Humble Oil & Rfg. Co.	Jet Fuel Refinery	Phillips Petr. Co.	Union Oil Co.	Total
Big Wall	.....	.....	.....	21,517	.....	.....	.....	.....	21,517
Blackfoot	.....	.....	.....	.....	.....	.....	.....	7,995	7,995
Bowes	.....	.....	13,678	.....	.....	.....	.....	.....	13,678
Cat Creek	.....	22,208	.....	.....	.....	3,705	.....	.....	25,913
Cut Bank	.....	.....	.....	.....	90,786	.....	11,549	40,858	143,193
Delphia	.....	.....	.....	.....	.....	432	.....	.....	432
Devil's Basin	.....	.....	.....	.....	.....	144	.....	.....	144
Dry Creek	.....	.....	.....	388	.....	.....	.....	.....	388
Elk Basin	.....	109,268	.....	74,011	94,099	.....	.....	.....	277,378
Flat Coulee	37,289	.....	.....	.....	.....	.....	.....	.....	37,289
Fred & George Creek	16,758	.....	.....	.....	.....	.....	.....	.....	16,758
Graben Coulee	.....	.....	.....	.....	.....	.....	7,980	.....	7,980
Gypsy Basin	.....	.....	.....	.....	.....	.....	1,000	.....	1,000
Hibbard	.....	.....	.....	.....	.....	323	.....	.....	323
Ivanhoe	.....	3,100	.....	.....	29,115	.....	.....	.....	32,215
Keg Coulee	.....	10,226	.....	14,474	.....	.....	.....	.....	24,700
Kevin Sunburst	36,399	.....	.....	.....	16,616	.....	69,080	.....	122,095
Lookout Butte	.....	48,032	.....	.....	.....	.....	.....	.....	48,032
Pondera	.....	.....	.....	.....	.....	.....	44,785	61,742	106,527
Poplar	.....	.....	.....	.....	25,894	.....	.....	.....	25,894
Ragged Point	.....	1,821	.....	.....	.....	.....	.....	.....	1,821
Red Creek	.....	.....	.....	.....	60,394	.....	.....	.....	60,394
Snyder	.....	722	.....	.....	.....	.....	.....	.....	722
Soap Creek	.....	5,437	.....	.....	.....	.....	.....	.....	5,437
Sumatra & Stensvad	.....	.....	.....	89,659	75,924	.....	.....	.....	165,583
Whitlash	.....	.....	.....	.....	.....	.....	7,636	.....	7,636
Wolf Springs	.....	.....	.....	.....	30,678	.....	.....	.....	30,678
Total Montana Oil	90,446	200,814	13,678	200,049	423,506	4,604	142,030	110,595	1,185,722
Canadian Oil Imported	.....	51,274	.....	.....	29,229	.....	.....	.....	80,503
Wyoming Oil Imported	.....	23,546	.....	355,699	556,758	3,383	.....	.....	939,386
Total Montana, Canadian and Wyoming Oil	90,446	275,634	13,678	555,748	1,009,493	7,987	142,030	110,595	2,205,611

AVERAGE BARRELS PER DAY

	Montana	Canada	Wyoming	Total
Year, 1962	30,616	728	45,755	77,119
October, 1962	32,275	114	48,308	80,697
October, 1963	38,249	2,597	30,302	71,148

PERCENTAGE OF CRUDE OIL REFINED

	Montana	Canada	Wyoming
Year, 1962	39.69%	.96%	59.35%
October, 1962	39.99%	.15%	59.86%
October, 1963	53.75%	3.66%	42.59%